

Sequence Listing

<110> Kwangju Institute of Science and Technology

<120> RECOMBINANT VECTOR FOR TRANSFORMING STRAIN TO DETECT BENZOIC ACID
AND DERIVATIVES THEREOF, TRANSFORMANT CONTAINING THE RECOMBINANT
VECTOR, AND METHOD FOR DETECTING BENZOIC ACID AND DERIVATIVES
THEREOF USING THE TRANSFORMANT

<160> 3

<170> KopatentIn 1.71

<210> 1

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 1

gtcaccaata tggaccaggc aacgc

25

<210> 2

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 2

ccgcgtctag atgctaattg agggg

25

<210> 3

<211> 1331

<212> DNA

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<213> Ralstonia sp.U2

<220>

<221> gene

<222> (267) .. (1172)

<223> nagR gene

<220>

<221> promoter

<222> (1173) .. (1288)

<223> promoter region of nagAa gene

<400> 3

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ctggcggacg atgycagttc cgacccggct gcctacgcac aagaccagtc gcatgggaga	180
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cgtagccaca tgttgcccg atcccgggtg tacttggcat gccaaaacag gttgatggcg	360
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gcaatgaat gcggcaccac cagccgcatg cgccttttga tgctgcgcg ttcgagcagg	540
ccatcgacct caccgtgtcc ggtgttgagt gcgaccacgc cgacatgctc cagttcactg	600
aactgtttca ggctcatggg ggatttggcg cttggatggt ccttgccgaa catgcatacg	660
tagcgtggc gaaagaggcg ccgctggaag aatccggtct gtagctctgg cagaagacct	720
aaggcgagat caaccgcacc ggactccata tcctccttca gattgccagc attcggggcg	780

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tcgaaagagt cacgggtcgt cagtgccgtc tgcagcgtgt tgagcgcata gatcacgggc	960
tccgcaagat gcagtgcata cgggtgcggc tccatgcctt ttgaggtgcg caagaacaaa	1020
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cccagttttt cgccggccgt cgatacgctc cggtcgagca gtagctgggt gaagaccacc	1140
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ttttaactat cagacttgat ctatagcgtc ataccgatcg acgcgccaga atcgagcca	1260
ttcgagaca actgaaaaa gagcttgcac ggaactggta gtagaacccc tcaattagca	1320
tctagacgcg g	1331